

506

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/517,647A  
Source: PG  
Date Processed by STIC: 1/26/06

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## RAW SEQUENCE LISTING

DATE: 01/26/2006

PATENT APPLICATION: US/10/517,647A

TIME: 09:07:11

Input Set : A:\06275-422US1.txt

Output Set: N:\CRF4\01262006\J517647A.raw

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3 <110> APPLICANT: Moore, Rachael
4      Dudley, Adam Jeston
6 <120> TITLE OF INVENTION: METHODS FOR THE DETECTION OF POLYMORPHISMS IN THE HUMAN OATPF GENE
8 <130> FILE REFERENCE: 06275-422US1
-> 10 <140> CURRENT APPLICATION NUMBER: US/10/517,647A
-> 10 <141> CURRENT FILING DATE: 2004-12-10
10 <150> PRIOR APPLICATION NUMBER: PCT/GB03/02487
11 <151> PRIOR FILING DATE: 2003-06-10
13 <150> PRIOR APPLICATION NUMBER: GB 0213580.4
14 <151> PRIOR FILING DATE: 2002-06-13
16 <150> PRIOR APPLICATION NUMBER: US 60/388,692
17 <151> PRIOR FILING DATE: 2002-06-14
19 <160> NUMBER OF SEQ ID NOS: 17
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 40
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward
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43 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse
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64 <211> LENGTH: 41

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68 <220> FEATURE:
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78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
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92 <213> ORGANISM: Artificial Sequence
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155 <211> LENGTH: 16
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse
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163 <400> SEQUENCE: 11
164 ccagtagttg gggtgt                                16
167 <210> SEQ ID NO: 12
168 <211> LENGTH: 20
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
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174     primer
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182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward
187     primer OATPF-5F
189 <400> SEQUENCE: 13
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194 <211> LENGTH: 41
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Input Set : A:\06275-422US1.txt

Output Set: N:\CRF4\01262006\J517647A.raw

207 &lt;211&gt; LENGTH: 54

208 &lt;212&gt; TYPE: DNA

209 &lt;213&gt; ORGANISM: Homo sapiens

211 &lt;400&gt; SEQUENCE: 15

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215 &lt;210&gt; SEQ ID NO: 16

216 &lt;211&gt; LENGTH: 3077

217 &lt;212&gt; TYPE: DNA

218 &lt;213&gt; ORGANISM: Homo sapiens

220 &lt;400&gt; SEQUENCE: 16

221 cattgaaagg aaatggctat ctttgatctc ttccctccaga tcagagtcaa ggaatgtgtt 60  
 222 tataatggac acttcatcca aagaaaatat ccagttgttc tgcaaaactt cagtgcacc 120  
 223 tggtggaagg ccttctttta aaacagaata tccctcctca gaagaaaagc aaccatgctg 180  
 224 tgggtgaacta aaggtgttct tgtgtgcctt gtcttttgtt tactttgcca aagcattggc 240  
 225 agaaggctat ctgaagagca ccatcactca gatagagaga aggtttgata tcccttcttc 300  
 226 actggtggga gttattgatg gtatgtttga aattgggaat ctcttagtta taacatttgt 360  
 227 tagctacttt ggagccaaac ttcacaggcc aaaaataaatt ggagcagggt gtgtaatcat 420  
 228 gggagttgga acactgctca ttgcaatgcc tcagttcttc atggagcagt acaaatatga 480  
 229 gagatattct ccttcttcca attccactct cagcatctct ccgtgtctcc tagagtcaag 540  
 230 cagtcaatta ccagtttcag ttatggaaaa atcaaaatcc aaaataagta acgaatgtga 600  
 231 agtggacact agctcttcca tgtggattta tgttttcttg ggcaatcttc ttcgtggaat 660  
 232 aggagaaact cccttcagc ctttgggcat tgcctacctg gatgattttg ccagtgaaga 720  
 233 caatgcagct ttctatattg ggtgtgtgca gacggttgca attataggac caatcttgg 780  
 234 tttctgttta ggctcattat gtgccaaact atatgttgac attggctttg taaacctaga 840  
 235 tcacataacc attaccccaa aagatcccca gtgggttagga gcctggtggc ttggctatct 900  
 236 aatagcagga atcataagtc ttcttgacgc tgtgcctttc tggatattac caaagagttt 960  
 237 accaagatcc caaagtagag aggattctaa ttcttctctc gagaaatcca agtttattat 1020  
 238 agatgatcac acagactacc aaacacccca gggagaaaat gcaaaaataa tggaaatggc 1080  
 239 aagagatttt ctccatcac tgaagaatct ttttggaac ccagtatact tcctatattt 1140  
 240 atgtacaagc actgttcagt tcaattctct gttcggcatg gtgacgtaca aaccaaaagta 1200  
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 243 cagtgtgtgt ggagctgcaa aactctactt gggatcatct gtctttggtt acctcctatt 1380  
 244 tctttccctg tttgcactgg gctgtgaaaa ttctgatgtg gcaggactaa ctgtctccta 1440  
 245 ccaaggaacc aaacctgtct cttatcatga acgagctctc ttttcagatt gcaactcaag 1500  
 246 atgcaaatgt tcagagacaa aatgggaacc catgtgcggt gaaaatggaa tcacatatgt 1560  
 247 atcagcttgt cttgctgggt gtcaaacctc caacaggagt ggaaaaaata ttatatttta 1620  
 248 caactgcact tgtgtgggaa ttgcagcttc taaatccgga aattcctcag gcatagtggg 1680  
 249 aagatgtcag aaagacaatg gatgtcccca aatgtttctg tatttccttg taatttcagt 1740  
 250 catcacatcc tatactttat ccctaggtgg catacctgga tacatattac ttctgaggtg 1800  
 251 cattaagcca cagcttaagt cttttgcctt gggatcttac acattagcaa taagagttct 1860  
 252 tgcaggaatc ccagctccag tgtatttttg agttttgatt gatacttcat gcctcaaagt 1920  
 253 gggatttaaa agatgtggaa gtagaggatc atgcagatta tatgattcaa atgtcttcag 1980  
 254 acatatatat ctgggactaa ctgtgatact gggcacagtg tcaattctcc taagcattgc 2040  
 255 agtacttttc atttttaaaga aaaattatgt ttcaaaacac agaagtttta taaccaagag 2100  
 256 agaaagaaca atggtgtcta caagattcca aaaggaaaat tacactacaa gtgatcatct 2160  
 257 gctacaaccc aactactggc caggcaagga aactcaactt tagaaacatg atgactggaa 2220  
 258 gtcattgtct ctaattgggt gacattttgc aaacaaataa attgtaatca aaagagctct 2280  
 259 aaatttgtaa tttctttctc ctttcaaaaa atgtctactt tgttttggtc ctaggcatta 2340

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260 ggtaatatataa ctgataatat actgaaacat ataatggaag atgcagatga taaaactaat 2400
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262 ctttgtgctc attgatatat attagctgta ctccctagaag aacaattgtc tctattgtca 2520
263 cacatgggta tattttaaagt aattttctgaa ctgtgtaatg tgtctagagt aagcaaatac 2580
264 tgctaacaat taactcatac cttgggttcc ttcaagtatt actcctatag tattttctcc 2640
265 catagctgtc ttcattctgtg tattttaata atgatcttag gatggagcag aacatggaga 2700
266 ggaagatttc attttaagct cctccttttc tttgaaatac aataatttat atagaaatgt 2760
267 gtagcagcaa atttatattgg ggattagaat tttgaattaa tagctctcct actattaatt 2820
268 tacatgtgct ttttgtgtgg cgctataagt gactatgggt gtaaagtaat aaaattgatg 2880
269 ttaacatgcc caattattgt tcttttatga attcaatgaa tttaaaacta ttgttaaata 2940
270 taatactgcc ccactttaat atatgtaagc aacttcctac ttatacacga cgtgttcccta 3000
271 aaacatgttt gaaaggtgaa tttctgaaag tctacaataa atgtaggtgt tacaacagga 3060
272 aaaaaaaaaa aaaaaaa 3077

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275 &lt;210&gt; SEQ ID NO: 17

276 &lt;211&gt; LENGTH: 712

277 &lt;212&gt; TYPE: PRT

278 &lt;213&gt; ORGANISM: Homo sapiens

280 &lt;400&gt; SEQUENCE: 17

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284 Val Gln Pro Val Gly Arg Pro Ser Phe Lys Thr Glu Tyr Pro Ser Ser
285           20           25           30
287 Glu Glu Lys Gln Pro Cys Cys Gly Glu Leu Lys Val Phe Leu Cys Ala
288           35           40           45
290 Leu Ser Phe Val Tyr Phe Ala Lys Ala Leu Ala Glu Gly Tyr Leu Lys
291           50           55           60
293 Ser Thr Ile Thr Gln Ile Glu Arg Arg Phe Asp Ile Pro Ser Ser Leu
294   65           70           75           80
296 Val Gly Val Ile Asp Gly Ser Phe Glu Ile Gly Asn Leu Leu Val Ile
297           85           90           95
299 Thr Phe Val Ser Tyr Phe Gly Ala Lys Leu His Arg Pro Lys Ile Ile
300           100          105          110
302 Gly Ala Gly Cys Val Ile Met Gly Val Gly Thr Leu Leu Ile Ala Met
303           115          120          125
305 Pro Gln Phe Phe Met Glu Gln Tyr Lys Tyr Glu Arg Tyr Ser Pro Ser
306           130          135          140
308 Ser Asn Ser Thr Leu Ser Ile Ser Pro Cys Leu Leu Glu Ser Ser Ser
309  145          150          155          160
311 Gln Leu Pro Val Ser Val Met Glu Lys Ser Lys Ser Lys Ile Ser Asn
312           165          170          175
314 Glu Cys Glu Val Asp Thr Ser Ser Ser Met Trp Ile Tyr Val Phe Leu
315           180          185          190
317 Gly Asn Leu Leu Arg Gly Ile Gly Glu Thr Pro Ile Gln Pro Leu Gly
318           195          200          205
320 Ile Ala Tyr Leu Asp Asp Phe Ala Ser Glu Asp Asn Ala Ala Phe Tyr
321           210          215          220
323 Ile Gly Cys Val Gln Thr Val Ala Ile Ile Gly Pro Ile Phe Gly Phe
324  225          230          235          240
326 Leu Leu Gly Ser Leu Cys Ala Lys Leu Tyr Val Asp Ile Gly Phe Val

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**VERIFICATION SUMMARY**

DATE: 01/26/2006

PATENT APPLICATION: US/10/517,647A

TIME: 09:07:12

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10 M:271 C: Current Filing Date differs, Replaced Current Filing Date